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西藏凤仙花科新植物

陈 艺 林
(中国科学院植物研究所)

TAXA NOVA BALSAMINACEARUM E FLORA XIZANGENSI (TIBETICA)

CHEN YI-LING
(Institutum Botanicum Academiae Sinicae)

1. **膜苞凤仙花** 新种 图 1:1—8

Impatiens tenuibracteata Y. L. Chen, sp. nov.

Species haec *I. drepanophorae* Hook. f. similis, sed bracteis ovatis, tenuiter membranaceis; floribus purpureis, sepalis ovatis, apice non longe aristatis; alarum lobo basali subovato, distali anguste loriformi bene differt.

Herba annua, 25—50 cm alta, caule gracili, erecto, ramoso vel simplici, glaberrima. Folia membranacea, alterna, petiolata, ovata vel ovato-lanceolata, 2.5—8 cm longa, 1.5—3.5 cm lata, apice acuminata, basi in petiolum 1—3 cm longum cuneata, eglandulosa, margine grosse crenata, setulis interjectis, nervis lateralibus 5-paribus. Pedunculi graciles, in axilla foliorum superiorum solitarii vel subterminales, foliis multo longiores, 8—13-flori, racemosi; pedicelli gracillimi, 15—20 mm longi, basi bracteati; bracteae tenuiter membranceae, ovatae vel late ovatae, concavae, 4—5 mm longae, longe cuspidatae, 5—7-nervulae, deciduae. Flores ad 2 cm longi, purpurei. Sepala 2, ovata, 5—6 mm longa, apice longe cuspidata. Vexillum orbiculare, circ. 6 mm diametro, costa dorso anguste carinata, apice mucronata. Alae sessiles, 16 mm longae; lobus basalis amplus, subovalis, distalis anguste loriformis, leviter acutus. Labellum anguste infundibulare, purpureo-maculatum, ore valde obliquo vel ascendente, anteriore in rostram ad 4 mm longam abeunte, basi in calcar spiraliter incurvum longum attenuatum. Antherae parvae, didymae, obtusae. Ovarium erectum, acuminatum. Capsulae lineares ad 2 cm longae, apice rostratae.

Xizang: Mêdog, Hanmi, ad marginem sylvae, alt. 2100—2300 m, 5 VIII 1973. Qing-zang Exped. Inst. Biol. Qinghaiensis 1717 (Typus in Herb. Inst. Biol. Qinghaiense Acad. Sin. conserv.); id. Nage ad Hanmi, Qing-zang Exped. 743371.

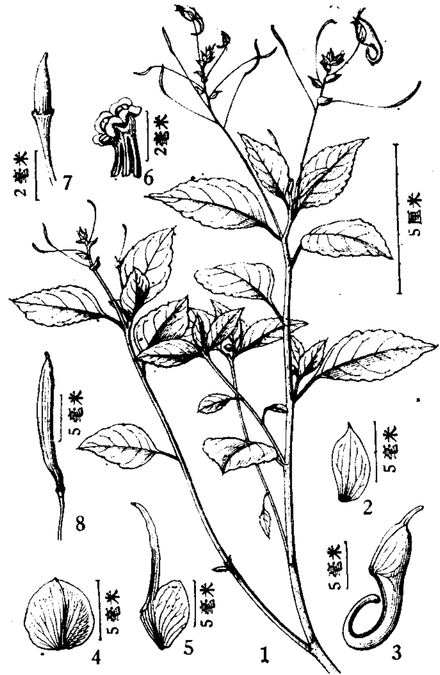


图1 1—8. **膜苞凤仙花 Impatiens tenuibracteata** Y. L. Chen
1. 植株; 2. 萼片; 3. 唇瓣; 4. 旗瓣; 5. 翼瓣; 6. 花药; 7. 子房; 8. 蒴果。(冀朝祯绘)

西藏: 墨脱,汗密,海拔 2100—2300 米,林缘,1973 年 8 月 5 日,青海生物研究所西藏队 1717 (模式标本存中国科学院西北高原生物研究所标本室);同前,那格至汉密,青藏队 743371。

本种近似镰萼凤仙花 I. drepanophora Hook. f. 但具膜质卵形的苞片;花紫色,萼片卵形、不具

长芒尖；翼瓣基部裂片近卵形，上部裂片狭带形，与后者容易区别。

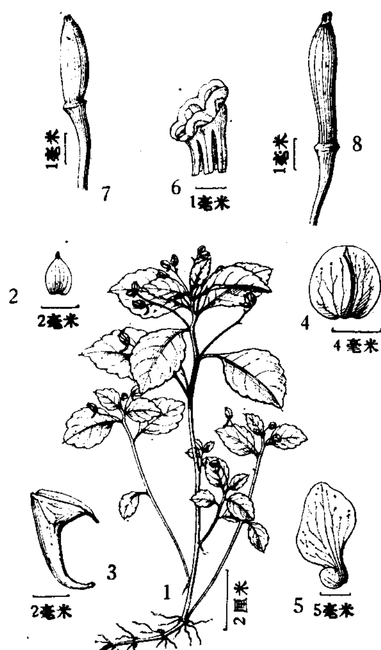


图2　1—8.**墨脱凤仙花 Impatiens mêdogensis** Y. L. Chen

1.植株；2.萼片；3.唇瓣；4.旗瓣；5.翼瓣；6.花药；7.子房；8.蒴果(未成熟)。(冀朝祯绘)

2.**墨脱凤仙花**　新种　图2:1—8

Impatiens mêdogensis Y. L. Chen, sp. nov.

Species haec caule repente *I. taronensi* Hand.-Mazz. similis, quae differt foliis oblongo-ovatis vel lanceolatis, apice longe acuminatis, nervis lateralibus 6—8-paribus, sepalis 4; vexillo ecarinato, lobo basali patente, triangulari, anguste rotundato, distali lanceolato, acuto, saepe breviter bifido.

Herba annua, tenera, 5—20 cm. alta, caule gracili, repente vel ascendente, simplici vel rarius ramoso, nodo inferiore incrassato, radices fibrosas numerosas edente, glaberrima. Folia membranacea, alterna, petiolata, ovata vel elliptico-ovata, 2—3.5 cm longa, 1—3 cm lata, apice obtusa vel acutiuscula, margine grosse crenata, setulis interjectis, supra intense viridia, subtus glauco-viridia, utrinque glabra, nervis lateralibus 5-paribus, basi glandulis filiformiibus instructa. Pedunculi graciles, in axilla foliorum superiorum solitarii, foliis multo breviores, 1—2, rarius 3-flori; pedicelli gracillimi, 3—10 mm longi, basi bracteati; bracteae parvae, ovato-lanceolatae, deciduae. Flores 1.5—2 cm longi, rosei. Sepala 2, ovata, circ. 2 mm longa, apice mucronata. Vexillum suborbiculare, 6 mm diametro, cōsta dorso anguste carinata, apice mucronata. Alae sessiles, 12 mm longae; lobus basalis parvus, subrotundatus, distalis dolabriformis, apice obtusus, auricula anguste inflexa. Labellum anguste infundibulare, basi in calcar incurvum sensim attenuatum, ore obliquo apice breviter rostrato. Antherae obtusae. Ovarium fusiforme, erectum, apice distincte 5-lobatum.

Xizang: Mêdog, Nage, alt. 3200 m, in declivo lapidoso, 31. VII 1974. Qing-zang Exped. 743856 (Typus in Herb. Inst. Bot. Acad. Sin. conserv.)

西藏：墨脱，那格，海拔3200米，山坡岩石上，1974年7月31日，青藏队743856（模式标本存中国科学院植物研究所标本室)。

本种具匍匐的茎与独龙凤仙花 I. taronensis Hand.-Mazz. 近似，但后者以叶长圆状卵形或披针形，顶端长渐尖，侧脉6—8对，萼片4个；旗瓣背面中肋无龙骨状突起；翼瓣基部裂片开展，三角状狭圆形，上部裂片狭披针形，顶端常二浅裂，与本种显然不同。

3.**错那凤仙花**　新种　图3:1—9

Impatiens conaensis Y. L. Chen, sp. nov.

Species haec habitu *I. vittatae* Franch. valde similis, quae differt pedunculo semper unifloro, sepalis orbicularibus, costa dorso basim versus gibbosa, labello profunde saccato, 3 cm longo, purpureo-fasciato; aliis 28 mm longis, lobis filo capillare terminatis.

Herba annua, 30—50 cm alta, glaberrima, caule erecto, saepe flexuoso, ramoso. Folia alterna, breviter petiolata vel suprema subsessilia, membranacea, elliptico- vel ovato-lanceolata, 4—8 cm longa, 1.5—3.5 cm lata, apice acuminata vel caudata, basi rotundata vel subrotundata, glandulis stipitatis marginata, in petiolum gracilem 3—8 mm longum breviter angustata, margine crenata, crenis emarginatis, apiculatis, nervis lateralibus 7—9-paribus. Pedunculi in axilla solitarii, saepe foliis multo breviores, 1—2-flori; pedicelli graciles, 10—15 mm longi, medio unibracteati; bracteae virides, ovatae vel ovato-lanceolatae, 3—4 mm longae, longe acuminatae, persistentes. Flores 2.5—3 cm longi, 2 cm expansi, pallide flavi. Sepala 2, hyalina, late ovato-orbicularia vel suborbicularia, 10 mm longa, 5 mm lata, costa dorso paullum incrassata, carinata, apice rostrata. Vexillum suborbiculare, 12—13 mm diametro, costa dorso late cristata, crista rotundata, apice rostrata. Alae subsessiles, 15—17 mm longae; lobus basalis parvus, ovatus, apice in filum capillare productus, distali multo major, dolabriformis, muticus vel acutiusculus, auricula dorsalis

semi-ovata, inflexa. Labellum breviter saccatum, 1—1.5 cm longum, basi subito in calcar 4—5 mm longum incurvum bifidum productum, ore 13 mm longo, subhorizontali, apice acuminato. Antherae obtusae. Ovarium fusiforme, erectum, acutum. Capsulae lineari-oblongae, 2.5 cm longae, apice rostratae, oligospermae. Semina oblonga, circ. 4 mm longa, fusca, laevia.

Xizang: Cona, alt. 2800 m, in declivo, 7 VIII 1974, Qing-zang Veget. Exped. 2445 (Typus in Herb. Inst. Bot. Acad. Sin. conserv.); id. Wu Cheng-yih et al. 751062, Qing-zang Exped. 751669.

西藏：错那，海拔2800米，山坡，1974年8月7日，青藏队植被组2445（模式标本存中国科学院植物研究所标本室）；同前，吴征镒等751062，青藏队751669。

此种在外形上，与产于四川西部的紫纹凤仙花I. vittata Franch. 十分近似，唯后者总花梗常具1花，萼片圆形，中肋背面向基部具小囊；唇瓣深囊状，长达3厘米，具紫色条纹；翼瓣长28毫米，裂片顶端均具长丝状体，与本种不难区别。

4. **紫花无距凤仙花** 新变种

Impatiens margaritifera Hook. f. var. *purpurascens* Y. L. Chen, var. nov.

Floribus purpurascentibus, sepalis oblique ovatis, apice longe cuspidatis a var. margaritifera differt.

Xizang: Zayü, in silvis, 3 IX 1976, Wu Cheng-Yih et al. 5452 (Typus in Herb. Inst. Bot. Kunmingense Acad. Sin. conserv.).

西藏：察隅，松林下，1976年9月3日，吴征镒等5452（模式标本存中国科学院昆明植物研究所标本室）。

本变种以花淡紫色及萼片斜卵形，顶端具长尖头，与原变种 var. margaritifera 相区别。

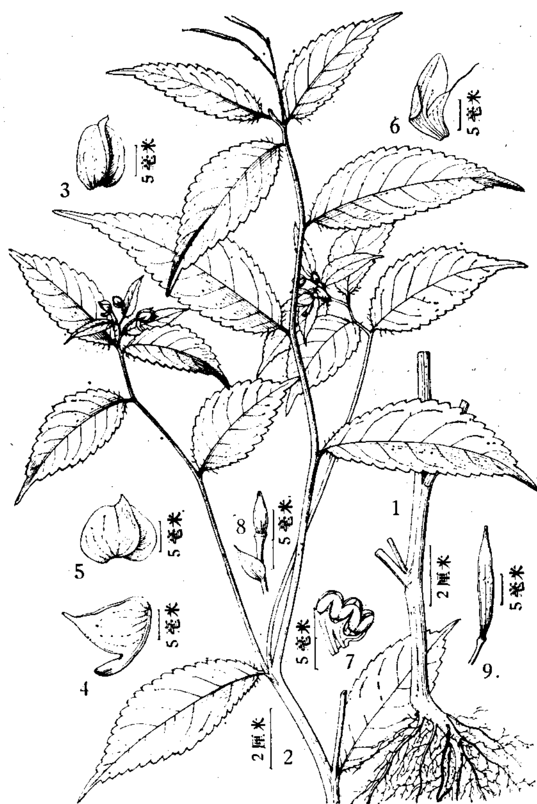


图3 1—9. **错那凤仙花 Impatiens cuonaensis** Y. L. Chen
1—2. 植株；3. 萼片；4. 唇瓣；5. 旗瓣；6. 翼瓣；7. 花药；8. 子房；9. 蒴果。（冀朝祯绘）